रजिस्ट्रर्ड सं० डी०--(डी एन)--128/91 REGISTERED NO. D--(DN)--128/91

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 14] NEW DELHI, SATURDAY, APRIL 6, 1991 (CHAITRA 16, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 6th April, 1991

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Telegraphic address "PATOFFICE".

Patent Office Branch,
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Saraswati Marg, Karol Bagh,
New Delhi-110 005.

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Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 6 एप्रिल 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय अहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

REGISTRATION OF PATENT AGENT

The following persons have been registered as Patent Agents under Section 126 of sub-section (1)(c)(i) of the Patents Act, 1970

1. Shri S. Rangarajan,
   17, Rajaji Street,
   Nehru Nagar,
   Chromepet,
   Madras-600 044.

2. Shri C. S. Rao,
   CGE—11, B, Central Govt. Employees Colony,
   Kuppam Beach Road,
   Tiruvanmiyur,
   Madras-600 041.

CORRIGENDA

(1)

In the Gazette of India, Part-III, Sec-2, dated 26th January, 1991 in Column 1 of Page No. 141, read the indistinct lines 5, 6 & 7 of the Claim of accepted Complete Specification No. 168059 as :

board (8) and a cup shaped cover (2) for said electronic device, having an opening at one end face thereof; said end bell cap (3) and said cover (2) for the electronic device being fixedly fitted to said motor.

(2)

In the Gazette of India, Part-III, Section-2 :—

(i) dated 6th October, 1990 in Page No. 1115, in respect of Patent No. 167295 (33/BOM/88) read the application date as '16.2.1988' instead of 16.2.1987';

(ii) dated 6th October, 1990 in Page No. 1117, in respect of Patent No. 167299 (112/BOM/88) read Claims as "2 Claims" instead of "16 Claims";

(iii) dated 20th October, 1990 in Page No. 1182 in respect of Patent No. 167412 (137/BOM/1987) add "Application No. 137/BOM/1987 dated 15.4.1987" under the applicant and inventor;

(iv) dated 27th October, 1990 in page No. 1201, in respect of Patent No. 167429 (152/BOM/1988) read the Drawings as '3' sheets instead of 'Nil';

(v) dated 29th September, 1990 in Page No. 1076, delete second 'Corrigendum' in respect of Cessation of Patent;

(vi) dated 22nd September, 1990 in Page No. 1054, delete the 'Cessation of Patents' since that already appeared in Page No. 1013 dated 8th September, 1990.

(vii) dated 29th September, 1990 in Page No 1076, delete the No. 152241 appeared under the heading 'Cessation of Patents'.

(3)

The title of the registered design No. 159831 in Class 3 notified in the Gazette of India, Part III, Section 2 on 24-9-1988 in page 967 under column No. 1 should read as "Precured Rubber Tread" instead of "Ring Tread System".

(4)

The title of the registered design Nos. 161372 and 161373 both in class 3 notified in the Gazette of India, Part III, Section 2 on 27th January, 1990 under column No. 2 page 87 should read as "Precured Rubber Tread" instead of "Ring Treads" and "Pretreads" respectively.

(5)

The title of the registered design Nos. 161260 to 161262 both are class 3 notified in the Gazette of India, Part III, Section 2 on 28th October, 1989 under column 2 of page 1046 should read as "Precured Rubber Tread" instead of "Pre Treads".

(6)

The title of the registered design No. 160977 in class 3 notified in the Gazette of India, Part III, Sec. 2 on 28th October, 1988 under column 2 of page 1046 should read as "Precured Rubber Tread" instead of "Pre-Treads".

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act, 1970.

26th February, 1991

182/Cal/91 Johnson & Johnson, Inc. Method for producing a non-woven fabric with a thermally activated adhesive surface, resulting product and applications thereof. (Convention dated 5th March, 1990; No. 2011515; Canada).

183/Cal/91 Johnson & Johnson Medical, Inc. Surgical drape having 360 degree fluid control.

27th February, 1991

184/Cal/91 American Telephone & Telegraph Co. An apparatus for causing an elongated glass preform rod to have a substantially straight longitudinal axis and to have a transverse cross-section. [Divisional dated 6th November, 1987]

185/Cal/91 Massey-Ferguson Services N.V. A gear coupler. (Convention dated 28th February, 1990; No. 9004540.2; U.K.)

186/Cal/91 Phillips Petroleum Company. Non-woven composite suitable shoe counters.

187/Cal/91 Mitutoyo Corporation. Portable type measuring instrument with solar batteries.

1st March, 1991

188/Cal/91 KSB Aktiengesellschaft. A centrifugal pump.

189/Cal/91 Raymond J Mclaren and Gary I Zamel. Joining method and apparatus.

190/Cal/91 Dallaire Industries Ltd. Construction kit for horizontally and vertically sliding window assemblies.

4th March, 1991

191/Cal/91 Gerardus Anthonius Maria Boots. Container for bulk good, fluids and the like.

192/Cal/91 General Electric Company. Advanced high-temperature brazing alloys and related process.

193/Cal/91 General Electric Company. Steel articles having protective duplex coatings and method of production.

194/Cal/91 General Electric Company. Transpiration cooled throat section for low NOx combustor and related process.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING, IIIRD FLOOR KAROL BAGH, NEW DELHI-5

29th January, 1991

76/Del/91 Otis Elevator Co, "True down collective (TDC) controller for single speed elevators".

77/Del/91 Imperial Chemical industries PLC, "Agitators". [Convention date 5th February, 90 & 8th January, 91 (U.K.)].

78/Del/91 Digital Theater Systems Corporation , "Motion picture digital sound system and method".

79/Del/91 Motorola Inc, "Broadcasting of packets in an RF system".

80/Del/91 C. R. Bard, Inc. "Balloon dilatation catheter with varying radiopacity".

30th January, 1991

81/Del/91 D. V. Sridharan, "Stirling cycle engine of modular construction".

82/Del/91 The Procter & Gamble Co., "Liquid hard surface detergent compositions containing zwitterionic detergent surfactant and [illegible]oethoxylated amine and beta-aminoalkaol".

83/Del/91 David Teng Pong, "No-twist reinforcing approach ("NTA") apparatus and method for manufacturing steel reinforcing rod".

84/Del/91 The Procter & Gamble Co., "Cosmetic compositions". (Convention date 1st February, 90) (U.K.).

85/Del/91 Council of Scientific & Industrial Research, "An acoustic mercury delay line device useful for measuring acoustic wave velocity in solids/liquids".

86/Del/91 Council of Scientific & Industrial Research, "A device for sensing microlevel changes in groundwater useful in hydrology and earthquake prognostics".

87/Del/91 Council of Scientific & Industrial Research, "An improved process for the preparation of phosphorilated cum sulphited fat liquor based on vegetable and marine oils".

88/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of hexameta phosphated fat liquor based on low iodine value vegetable/marine/land animal oils/saturated fats/wool grease".

89/Del/91 Council of Scientific & Industrial Research, "A process for the preparation of oxy derivatives of paraffinic hydrocarbons".

1st February, 1991

90/Del/91 Avtar Singh, "Improvements in/or relating to electronic control of water purification system".

91/Del/91 C. R. Bard, Inc, "Stent introducer system".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13

4th February, 1991

39/Bom/91 Indian Oil Corporation Ltd., An antifriction composition.

6th February, 1991

40/Bom/91 Vidhyanand Kamde, Comics Kathaon ko nai rup main prastutikaran karnei ke prtikriya.

8th February, 1991

41/Bom/91 Hindustan lever Ltd. 9th Feb. 90 Gr. Britain, Non-soap detergent bars comprising lipase enzyme.

42/Bom/91 Hindustan lever Ltd. 13th Feb. 90 Gr. Britain, Topical composition.

OPPOSITION PROCEEDINGS

(1)

An opposition entered by Orissa Cement Limited to grant of a patent on an application for Patent No. 161481 made by General Refractories Company, as notified in part III, Section 2 of the Gazette of India dated 9th July, 1988 has not been established and Patent has been ordered to be sealed on the application.

(2)

The opposition entered by I C I India Limited (Formerly I E L Limited) to the grant of a patent on application No. 158123 made by Union Explosives Rio Tinto S.A. as notified in the Gazette of India, Part III, Section 2 dated 21st March, 1987 has been decided and ordered that the application will proceed to sealing in the prescribed manner with some amendments.

(3)

An opposition has been entered by Vikram Forgings & Allied Industries Private Limited to the grant of a Patent on Application No. 167364 made by Trade & Industry Private Limited.

PRINTED SPECIFICATION CHALLAN

A limited number of Printed Copies of the undernoted Specifications are available for sale from the PATENT OFFICE, CALCUTTA and its three Branches at Bomaby, Madras and Delhi at Rs. 2/- (Rupees two only) per copy.

(1)

158121 158122 158123 158124 158125 158126 158127 158128 158129 158130 158131 158132 158133 158134 158135 158136 158137 158138 158139 158140 158141 158142 158143 158144 158145 158146 158147 158148 158149 158150 158151.

(2)

158152 158153 158154 158155 158156 158157 158158 158159 158160 158161 158162 158163 158164 158165 158166 158167 158168 158169 158170 158171 158172 158173 158174 158175 158176 158177 158178 158179 158180 158181 158182 158183 158184 158185 158186 158187 158188 158189 158190 158191 158192 158193.

PATENTS SEALED

166203 166693 166706 166709 166710 166711 166712 166713 166714 166716 166727 166731 166734 166738 166742 166745 166746 166749 166768 166770 166771 166772 166775 166780 166781 166789 166790 166825 166829 166851 166854 166855 166856 166857 166858 166859 166860.

CAL—12

DEL—18

BOM—6

MAS—1

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that *NORMAN LOUIS WEINBERG, of 95, Chasewood Lane, East Amherst, New York 14051, U.S.A.* and *SKA Associates, of 3929, Broadway, Buffalo, New York 14227, U.S.A.*, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. *167196* for "*An Improved Method of Making ethylene glycol*

by the electrochemical reduction of a formaldehyde containing electrolyte". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent office Branch, 61, Wallajah Road, Madras-600002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

(2)

Notice is hereby given that *MITSUBISHI CHEMICAL INDUSTRIES LIMITED, 5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan,* have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. *166898* for *"A PROCESS FOR PRODUCING A PYRAZOLE DERIVATIVE"*. The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

(3)

Notice is shereby given that *OWENS ILLINOIS TELEVISION PRODUCTS INC., a delaware Corporation, U.S.A. of One Seagate, Taledo, Ohio 43666, U.S.A.,* have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. *167238* for *"SEALING GLASS COMPOSITION FOR SEALING T.V. PICTURE TUBES"*. The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent office Branch, 61, Wallajah Road, Madras-600002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

(4)

The amendments proposed by Isover saint-Gobain in respect of Patent No. 159985 (794/Cal/84) as advertised in Part III Section 2 of the Gazette of India, dated the 14th January, 1989 have been allowed.

RENEWAL FEES PAID

146119 146168 146972 146973 147165 147386 147574 147647 148058 148080 148259 148526 148527 148755 149011 149319 149364 150090 150091 150323 150342 150902 150967 151254 151256 151447 151668 151901 152686 152756 152884 153018 153116 153214 153233 153245 153280 153302 153304 153358 153359 153360 153395 153399 153423 154098 154205 154528 154561 154669 154681 154857 154915 155009 155012 155016 155029 155030 155031 155032 155035 155140 155205 155363 156237 156396 156488 156492 157261 157390 157393 157442 157450 157734 157899 158097 158212 158377 158407 158557 158617 158642 158655 158692 158729 158741 158814 158943 148961 158990 158993 159028 159152 159215 159231 159264 159278 159309 159484 159485 159702 159766 159878 159901 159902 159947 160095 160184 160185 160186 160221 160369 160532 160537 161084 161235 161239 161284 161520 161527 161806 161969 161975 162082 162083 162084 162122 162182 162218 162327 162352 162358 162422 162486 162496 162497 162518 162525 162531 162866 162877 162932 163088 163089 163276 163302 163512 163515 163736 163768 163794 163813 163818 163840 163884 163908 164175 164205 164210 164265 164363 164569 164703 164705 164772 164843 164966 164970 164992 164996 165127 165168 165185 165187 165224 165244 165253 165431 165437 165509 165521 165535 165563 165759 165763 165934 166091.

REVOCATION OF PATENT UNDER SECTION 64 OF THE PATENTS ACT, 1970

The Hon'ble Mr. Justice Lakshmanan of the Madras High Court, by his order dated 29th August, 1990, has revoked the Patent No. 149537 dated 10th December, 1979 granted in favour of Dynacraft Machine Company Limited, an Indian Company of C.D. Barfiwala Marg, P.O. Box 7370 (Andheri West), Bombay-400 058, Maharashtra, India.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 15 D [LIV (1)] 168431
Int. Cl.[4]: F 16 C 33/24

A PLAIN BEARING ELEMENT WITH NON-HOMOGENEOUS ANTIFRICTION LAYER.

Applicant: GLYCO-METALL-WERKE, DAELEN & LOOS GmbH, STIELSTRASSE 11, 6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

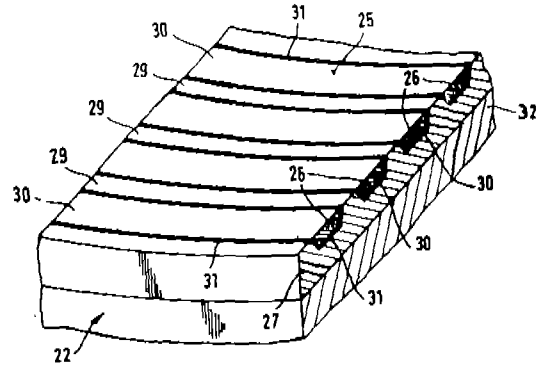
Inventors : (1) WILLEM FRED. LUGTENBURG & (2) DR. ECKHART SCHOPF.

Application No. 706/Mas/86, filed on September 2, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 Claims

A plain bearing element with a non-homogeneous antifriction layer, comprising a backing layer and a base layer of bearing material, disposed on the said backing layer having spaced-apart groove-like depressions, the latter being arranged in substantially parallel relationship, being distributed at least over a part of the bearing surface and being fil'·d with a plain bearing material, wherein the bearing material of the base layer and the plain bearing material filling the depressions are of different hardnesses from each other, wherein the groove width (b) of the depressions, the land width (s) remaining between the depressions, and the relationship of the groove width (b) and the land width (s), together with the load-carrying capacity of the respective bearing material used for the base layer, as well as the groove depth (t) and the relationship of the groove width (b) to the groove depth (t), together with the load-carrying capacity of the respective plain bearing material used for filling the depressions, are matched to the bearing load (p) intended for the plain bearing element ranging from low-load bearing capacity of below 35N/mm² to a high-load bearing capacity of above 50N/mm².



Compl. Specn. 21 Pages. Drgs. 4 Sheets.

Ind. Cl.: 129 E [GROUP XXXV] 168432
Int. Cl.[4]: B 21 J 9/02

A MULTIPLE STAGE FORGING PRESS.

Applicant : SMS HASENCLEVER MASCHINENFABRIK GmbH, OF 4000 DUSSELDORF. WEST GERMANY, A GERMAN COMPANY.

Inventors : (1) HANS ALBERT SCHUBERT, (2) KLAUS SCHULZE & (3) HARRY SPIELVOGEL.

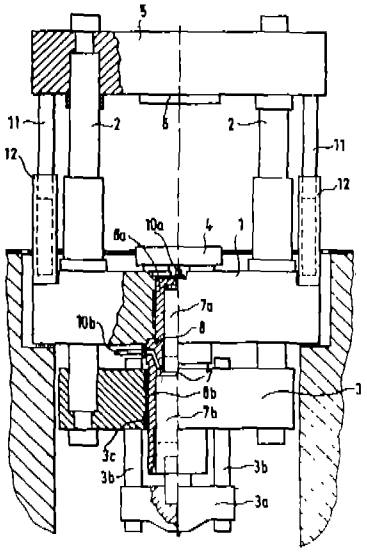
Application No. 772/Mas/86, filed on 29th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Madras.

15 Claims

A multi-stage forging press comprising a press frame; a driving cylinder connected directly to a first press tool or tool carrier, the said cylinder having a stepped internal longitudinal profile defining axially adjoining cylinder portions of different cross sections, a driving ram of correspondingly stepped external profile defining axially adjoining ram portions of different cross sections each slidably received in a respective corresponding cylinder portion and each ram portion having a tranverse surface within said corresponding cylinder portion, each said transverse ram surface and the corresponding cylinder portion forming a respective pressure medium chamber, the ram being connected to the frame which in turn is connected to a second press tool or tool carrier opposite the said first press tool or

tool carrier; and means for selectively pressurising the said chambers with pressure medium; all the said ram portions and cylinder portions having substantially equal operating strokes.



Compl. Specn. 16 Pages. Drgs. 3 Sheets.

Ind. Cl.: 32 E [GROUP IX (1)] 168433
Int. Cl.[4]: C 08 G 59/22; 59/32.

A METHOD OF MAKING COATED ARTICLE BY COATING A SUBSTRATE.

Applicant: THE DOW CHEMICAL COMPANY, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 2030, DOW CENTER, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A.

Inventor: ROLF HOLDEREGGER.

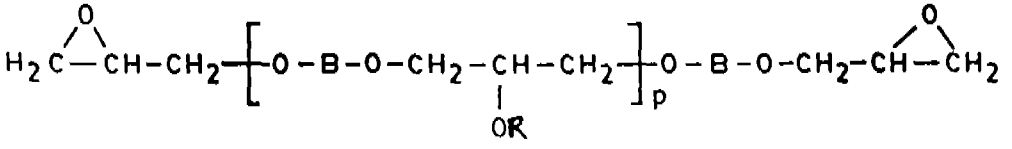
Application No. 773/Mas/86, filed on 29th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

10 Claims

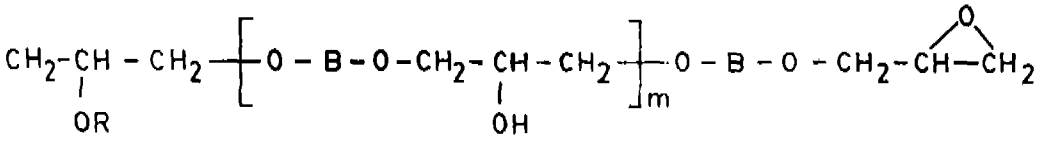
A method of making coated article by coating a substrate comprising the steps of applying a powder coating composition to the substrate and heating the coated substrate to a temperature of 100°C to 350°C for 1 to 30 minutes for fusing and curing the powder particles, characterised in that the powder coating composition comprises.

(a) from 45 to 95 weight percent of at least one solid, multifunctional epoxy resin of formula I of the accompanying drawings,



Formula I

wherein R is hydrogen or a group of formula II as shown in the accompanying drawings.



Formula II

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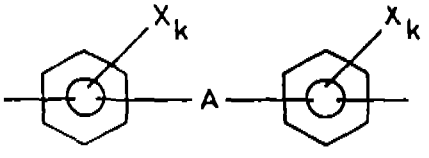
wherein R' has the meaning of R; B is a radical of formula VII as shown in the drawings,



Formula VII

or a polyglycol radical of a number average molecular weight from 100 to 4000; or both provided wherein the radicals B are radicals of formula VII; A is, a divalent hydrocarbon group having from 1 to 8 carbon atoms,—CO—, —O—, —S—, —S—S—, —S(O)$_2$—, —S(O)— or a covalent bond; X is, hydrogen, halogen or an alkyl group of 1 to 4 carbon atoms;

p has an average value greater than 0 and up to 20, m has an average value of 0 and up to 20, and k is a positive number from 1 to 4; provided that the average epoxide functionality per molecule of the epoxy resin is greater than 2 and the epoxy resin is solid and

(b) from 55 to 5 weight percent of a solid curing agent for the epoxy resin.

Compl. Specn. 45 Pages. Drgs. 1 Sheet.

Ind. Cl.: 94 H [GROUP XXXIV (2)] 168434
Int. Cl.[4]: B 02 B 4/02

VERTICAL ROLLER MILL.

Applicant: F. L. SMIDTH & CO. A/S., A DANISH COMPANY, OF 77, VIGERSLEV ALLE, DK 2500 VALBY, COPENHAGEN, DENMARK.

Inventor: JAN FOLSBERG.

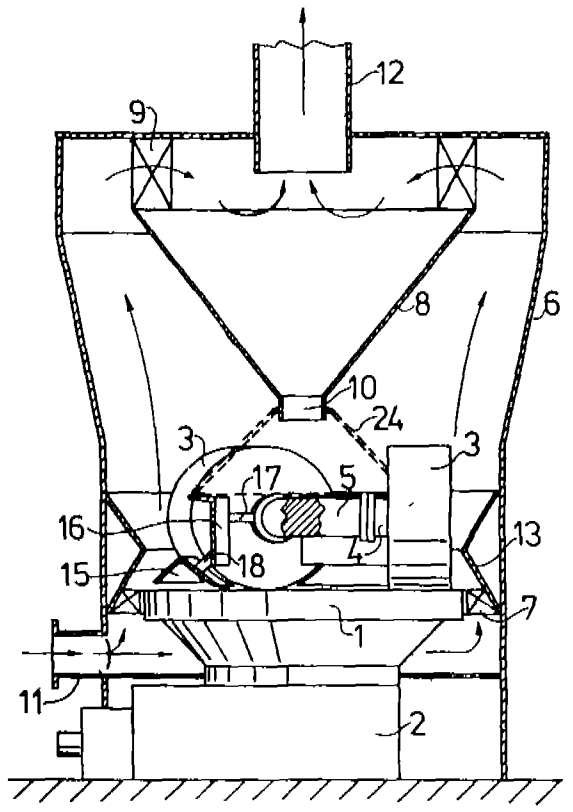
Application No. 777/Mas/86, filed on 1st October, 1986.

Convention date: October 29, 1985; (No. 85 26626; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A vertical roller mill comprising a grinding table which is rotatable about a vertical axis; at least two grinding rollers which are rotatable about substantially horizontal, stationary axes and are urged against an annular grinding path of the grinding table; and a nozzle ring encircling the table for blowing, separating and conveying gas into the mill above the grinding table; characterized in that a screen is mounted above the grinding path in each circular arc between adjacent rollers the screen being formed with an obliquely upwardly and radially inwardly directed outer wall above a radially outer zone of the grinding path and an obliquely downwardly and radially inwardly directed inner wall above a radially inner zone of the grinding path; and in that a guide wall is mounted above each screen the guide wall being formed and placed to collect material being blown.



Compl. Specn. 9 Pages. Drgs. 3 Sheets.

Ind. Cl.: 163 B1. 168435
Int. Cl.: F 04 D 13/04.

A LOOP PUMP FOR PUMPING LIQUID.

Applicant & Inventor : PER-OLOF KARLSSON, OF BOX 51, S-980 21 JUKKASJARVI, SWEDEN.

Application No. 812/Mas/86, filed on 14th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A loop pump for pumping liquid comprising a pipe or hose (3, 22) having a number of turns or loops, a drive source for rotating the said pipe or hose for introducing alternatively air and liquid into an inlet (4, 23) of the said pipe or hose (3, 22) a conduit (16, 24) rotatably connected with the said pipe or hose leading to a liquid source to be pumped, the said drive source having means for absorbing the energy from the liquid flow (8, 25, 27) and a floating body for making the pump floatable in the liquid.

Compl. Specn. 8 Pages. Drgs. 4 Sheets.

Ind. Cl.: 164 A [GROUP II (3)] 168436
Int. Cl.[4]: C 02 F 3/00

A PLANT FOR TREATING WASTE WATER.

Applicant : DEGREMONT, A FRENCH BODY CORPORATE OF 183, AVENUE DU 18 JUIN 1940, 92508 RUEIL-MALMAISON CEDEX, FRANCE.

Inventor: ROGER NICOL.

Application No. 898/Mas/86, filed on 21st November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A plant for treating waste water comprising a ventilation basin (2) with a high mass load, a clarifier-thickener (3) with inclined tubes or plates, from which the slurries are recycled under a high concentration in the ventilation basin (2), a nitrifier (6), denitrifier (7), a decanter (8) connected successively, a hydrolysis reactor (10) in communication with the clarifier-thickener (3), a separator (12) for separating from the slurries the interstitial liquid, and a methanizer (16) to which the said interstitial liquid is fed for treating the slurry.

Compl. Specn. 8 Pages. Drg. 1 Sheet.

Ind. Cl.: 151 E [GROUP XLVIII (2)] 168437
Int. Cl.[4]: F 17 D 1/00

A LARGE-DIAMETER UNDERWATER PIPELINE ADAPTED TO BE LAUNCHED FROM THE MAINLAND INTO THE BED OF A WATER BODY.

Applicant: SNAMPROGETTI S.p.A., A COMPANY ORGANIZED UNDER THE LAWS OF THE ITALIAN REPUBLIC OF CORSO VENEZIA, 16—MILAN, ITALY.

Inventors : (1) ALBERTO ANSELMI & (2) BRUNO SALTALAMACCHIA.

Application No. 925/Mas/86, filed on 1st December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A large-diameter underwater pipeline adapted to be launched from the mainland into the bed of a water body, comprising :

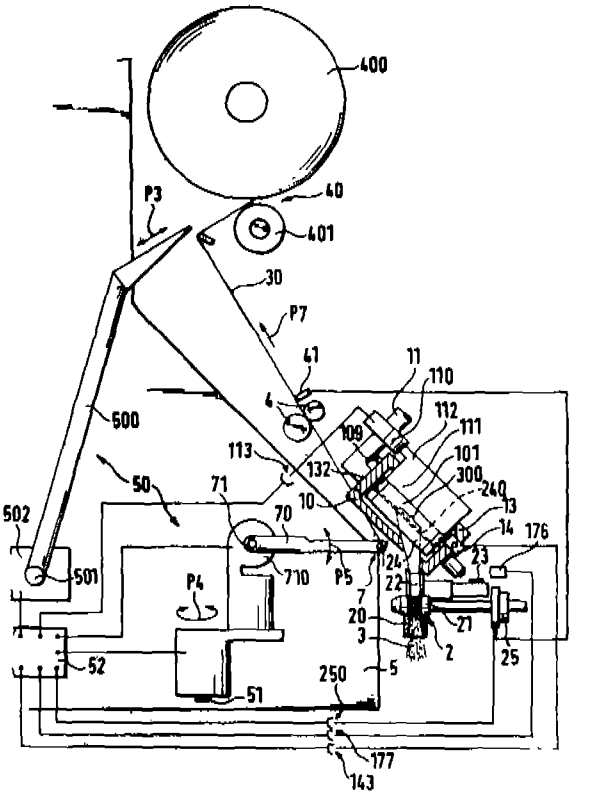
— number of cylindrical pipeline sections closed at intervals by removable separation walls;

— one manhole for each of said cylindrical pipeline section, having—compressed air intake and discharge conduits equipped with valve means for each individual cylindrical section and water intake and discharge means equipped with valve means, intended for introducing ballast water into and expelling from each individual cylindrical pipe section;

— a manhole covering plate for closing the manhole as the separation walls have been installed in their intended positions, and

— means for introducing said removable separation walls into, and removing from, said cylindrical pipeline sections.

Compl. Specn. 14 Pages. Drg. 1 Sheet.



Compl. Specn. 28 Pages. Drgs. 3 Sheets.

Ind. Cl. : 172 D_4, 172 D_7 [GROUP XX] 168438
Int. Cl.[4] : D 01 H 7/882.

A METHOD AND DEVICE FOR JOINING THE THREAD IN AN OPEN-END FRICTION-SPINNING MACHINE.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, GERMANY, A GERMAN COMPANY.

Inventor : WERNER GERHARD HOEBER.

Application No. 980/Mas/86, filed on 16th December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

28 Claims

A method for joining and drawing out the thread which is returned to the nip of an open-end friction-spinning machine with fibres comprising supplying the fibres continuously to the nip and then drawing out of the nip initially by driving the friction spinning elements in the spinning direction, stopping the withdrawal of fibres, bringing the thread end back to the accumulating fibres and withdrawing the thread from the nip while continuing the joining of the fibres supplied to the nip.

Ind. Cl. : 33 D & G [GROUP XXXIII (3)] 168439
Int. Cl.[4] : B 22 C 7/00

METHOD AND FEEDER PATTERN FOR THE PRODUCTION OF CASTING MOULDS

Applicant : FOSECO INTERNATIONAL LIMITED, A BRITISH COMPANY OF 285, LONG ACRE, NECHELLS, BIRMINGHAM B7 5JR, ENGLAND.

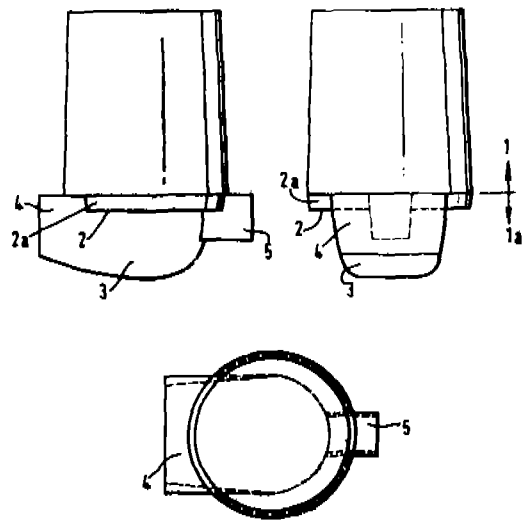
Inventors : HELMUT SCHOPP, MICHAEL FRIEDRICHS.

Application No. 997/Mas/86, filed on 19th December, 1986.

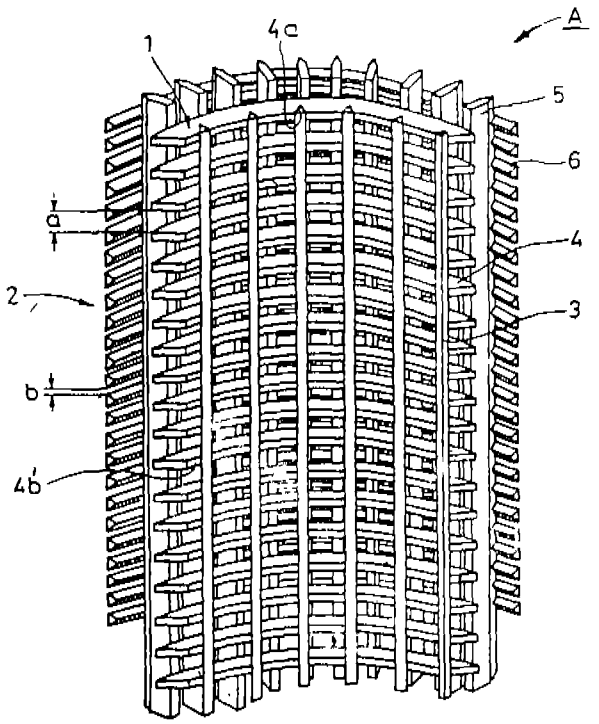
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

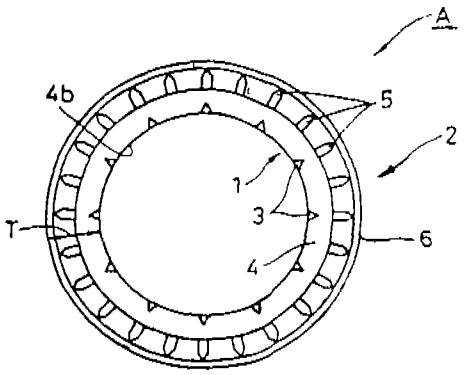
9 Claims

A two part feeder pattern for producing a metal casting mould comprising a cope mould and a drag mould the pattern having a lower part with means for locating and centering a feeder sleeve in a drag mould, and an upper part having a lateral surface which tapers from the bottom end to the top end of the upper part.



Compl. Specn. 23 Pages. Drgs. 6 Sheets.





Compl. Specn. 23 Pages. Drgs. 6 Sheets.

Ind. Cl.: 131 A_2, 131 B_3 (GROUP XXVIII (3)] 168440
Int. Cl.[4]: E 21 B 41/00

DOUBLE CYLINDER SCREEN AND A METHOD FOR MANUFACTURING THE SAME.

Applicant: NAGAOKA KANAAMI KABUSHIKI KAISHA, A JAPANESE JOINT STOCK COMPANY, OF 812-4, HIRAO, MIHARA-MACHI, MINAMI KAWACHI-GUN, OSAKA-FU, JAPAN.

Inventor: TADAYOSHI NAGAOKA.

Application No. 1003/Mas/86, filed on 22nd December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A double cylinder screen comprising an inner reinforcing cylinder and an outer screen cylinder provided outside of said inner reinforcing cylinder, said inner reinforcing cylinder comprising inner rods disposed cylindrically at a predetermined interval therebetween in the axial direction of the screen; and a spiral reinforcing member wound with a predetermined pitch on the outside of said inner rods, said reinforcing member being welded integrally to said inner rods, and said outer screen cylinder comprising screen rods disposed at a predetermined interval therebetween in the axial direction on the outer periphery of said inner reinforcing cylinder; and a wire wound spirally with a predetermined pitch about the outside of said screen rods, said wire being welded integrally to said screen rods, the width of a slit of said reinforcing member of said inner reinforcing cylinder being larger than the width of a slit of said wire of said outer screen cylinder.

Ind. Cl.: 187 C_3 168441
Int. Cl.: H 04 m 3/08

SECURITY DEVICE FOR A TELECOMMUNICATIONS EXCHANGE SYSTEM.

Applicant: THE PLESSEY COMPANY PLC., OF ILFORD, ESSEX IG1 4AQ, ENGLAND.

Inventors: (1) JOHN WILLIAM ANSELL, (2) GEOFREY CHOPPING, (3) RICHARD NOEL WATERS.

Application No. 569/Cal/87, filed on 24th July, 1987.

(Convention dated 24th July, 1986; 8618100; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

A security device for a telecommunications system having two security planes, a plurality of peripherals, a plurality of peripheral card controllers; and switching arrangements interconnecting the peripheral card controllers, wherein each peripheral card controller is provided with, for each security plane, a first circuit arranged to detect and validate sync information, a multiplexer connected to the associated first circuit and arranged to multiplex speech signals, a demultiplexer connected to the associated first circuit and arranged to demultiplex data, control and sync information; and a respective bit aligner connected to the associated multiplexer and demultiplexer and arranged to handle data, and each controller is further provided with a second and third circuit connected to, and arranged to control the operation of the bit aligners, characterised in that to determine a faulty security plane, each controller is provided with transmitting means which transmits path checking patterns to distant controller in respect of one of the security planes, by way of a path set-up by the switching arrangement, and each controller is provided with monitoring means which receives and monitors path check patterns received from the distant controller, and if the received path check pattern indicates that the path is not faulty, data associated with the plane is sent by the controller by way of said path to a peripheral by way of said distant controller.

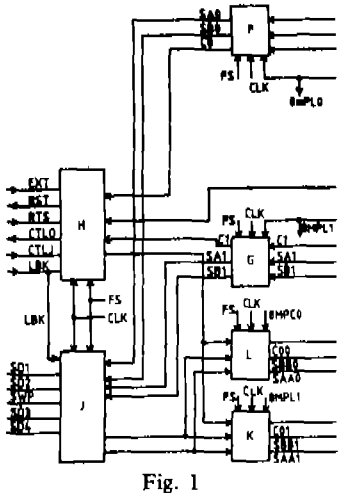


Fig. 1

Compl. Specn. 47 Pages. Drgs. 38 Sheets.

CLASS : 164 B; C and 201-C. 168442
Int. Cl. : C 02 f 1/52.

METHOD FOR THE TREATMENT OF SEWAGE AND OTHER IMPURE WATER.

Applicant : CONTINENTAL, MANUFACTURING & SALES INC., OF 149 JESSOP AVENUE, SASKATOON, SASKATCHEWAN, CANADA, S7N 1Y3, CANADA.

Inventors : (1) CONNAUGHT ON, NOEL, (2) POHORESKI, ANTON.

Application No. 603/Cal/1987, filed on 3rd August, 1987

Convention dated 7th May, 1987; No. 1133/87 and 7th May, 1987; No. 1134/87; Both are Ireland.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A method for the treatment of sewage or other impure water to produce treated water of relatively high quality which comprises :

(1) adding to said sewage or other impure water in a mixing zone, either all three individually or not more than two premixed together, of :

(a) an inorganic coagulant such as herein described, (b) an anionic polymer such as herein described, and (c) a cationic polymer such as herein described with intimate mixing of the added chemicals with said sewage or other impure water, with the proviso that said inorganic coagulant either alone or with the anionic polymer or the cationic polymer is not added last; and said anionic polymer and said cationic polymer is not premixed and added together, thereby to provide chemically-treated effluent having large, compact, firmly-bonded, substantially-shear resistant and rapidly-separable flocs therein;

(2) separating the flocs from the liquid in a separating zone; and

(3) removing treated liquid effluent from the separating zone.

Compl. Specn. 22 Pages. Drg. Nil.

CLASS : 32-E; 152-E. 168443
Int. Cl. : C 08 l 1/26, 3/02, 27/00, 33/00.

AN IMPROVED WATER DISPERSIBLE POLYMERIC COMPOSITIONS AND A PROCESS FOR PREPARING THE SAME.

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESIVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventor : MARSHALL DEAN BISHOP.

Application No. 609/Cal/1987, filed on 5th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

15 Claims

A water-dispersible polymeric composition having improved water dispersibility comprising by weight 90-99.9% of an incompletely water dispersible polymer and 0.1-10% hydrophobic fumed silica wherein said incompletely water dispersible polymer is selected from :

(a) a cellulose ether;

(b) a gum selected from [illegible] karaya, [illegible] locust bean, guar, psyllium seed, quince seed, agar, gellan, carrageenin, furcellaran, pectin, gelatin and arch[illegible];

(c) a starch;

(d) a vinyl polymer;

(e) an acrylic polymer and

(f) a biopolysacharide.

Compl. Specn. 10 Pages. Drg. Nil.

CLASS. : 89. 168444
Int. Cl. : G 01 d 5/38.

OPTICAL TYPE DISPLACEMENT DETECTING DEVICE.

Applicant : MITUTOYO MFG. CO. LTD., OF 31—19, SHIBA 5-CHOME, MINATO-KU, TOKYO 108, JAPAN.

Inventor : SOUJI ICHIKAWA.

Application No. 615/Cal/1987, filed on 7th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

An optical type displacement detecting device comprising :

illuminating means including a coherent light source;

a main scale formed thereon with a first grating having a grating pitch Pl;

an index scale formed thereon with a second grating having a grating pitch P2 = P1/n (n is a whole number of 2 or more);

a gap between said first and second gratings set at m $P2^2/\eta$(m is a whole number of 1 or more), when a center wavelength of effective spectra of an optical system in consideration of said light receiving element is set at η; and

a light receiving element for photoelectrically transducing illuminating light transmitted through said first and second gratings;

wherein a detection signal having a pitch Pl/n is produced in accordance with a relative displacement between said main scale and said index scale.

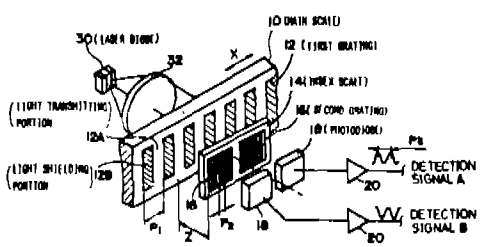


Fig. 1

Compl. Specn. 18 Pages. Drgs. 4 Sheets.

CLASS : 35-E. 168445
Int. Cl. : C 04 b 35/00.

NOVEL BRICK LINING OF STEEL MAKING FURNACES.

Applicant : DALMIA INSTITUTE OF SCIENTIFIC & INDUSTRIAL RESEARCH, AND ORISSA CEMENT LIMITED, BOTH OF RAJGANGPUR-770017, DIST. SUNDARGARH, ORISSA, INDIA.

Inventors : (1) DR. JAJNYADATTA PANDA, (2) SUNIL KANTI CHAUDHURI.

Application No. 631/Cal/1987, filed on 13th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A brick lining with high slag resistance and high adhesion to the gunning material for steel making furnaces particularly L.D. Converters with a combination of conventional basic bricks as herein described and magnesia-carbon bricks as herein described, wherein the ratio of the conventional basic bricks magnesia-carbon bricks is in the range of 1:1 to 1:3 or 3:1 to 1:1 and also wherein the said ratio is maintained in the horizontal direction or vertical direction or both directions.

Compl. Specn. 9 Pages. Drgs. 4 Sheets.

CLASS : 105-B, 194-B. 168446
Int. Cl. : H 01 j 1/00; H 01 k 7/04.

A LED (LIGHT EMITTING DIODE) LAMP.

Applicant & Inventor : KUMAR KRISHNA ROHATGI, OF 34/1-P, BALLYGUNGE CIRCULAR ROAD, CALCUTTA-700019, WEST BENGAL, INDIA.

Application No. 632/Cal/1987, filed on 13th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

A LED lamp comprising at least one LED housed within a transparent shell, the said shell is in the form of a tube or bulb and are provided of different diameters depending upon the requirements, the said LED housed within the said shell being provided in a circuit in which a potentiometric voltage resistance is connected in parallel with the LED and a voltage dropping resistance connected between the power supply and one terminal of the LED, a capacitor optionally provided between the other terminal of the LED and the power supply, a cap attached at the lower end of the said shell for mounting the said LED lamp in a lamp holder or socket.

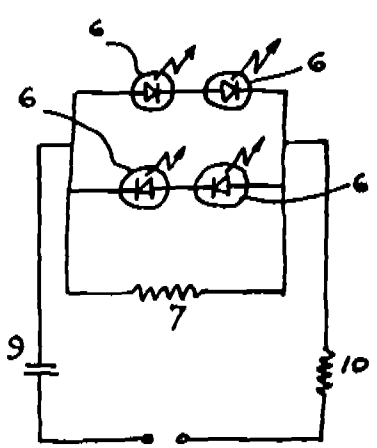


Fig. 5

Compl. Specn. 15 Pages. Drg. 1 Sheet.

CLASS : 206-E. 168447
Int. Cl. : G 06 f 13/00.

DATA COMMUNICATION APPARATUS.

Applicant : HITACHI LTD., OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO. JAPAN.

Inventors : (1) TOSHIFUMI YAMAMOTO, (2) MITSURO TAKAKURA, (3) HIROMASA YAMAOKA, (4) MASAKAZU OKADA.

Application No. 659/Cal/87, filed on 20th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A data communication apparatus comprising :

first generator means for generating a plurality of data frames, each data frame including a frame header section and a data field section;

means for providing the frame header section comprising a decodable synchronization field portion for transmission of synchronization data, and a frame identification field position used for transmission of frame identification data which provides respective data frames with unique identifiers representative of at least a portion of a remote memory address to which access is desired;

means for supplying frame identification data to a plurality of successive frame identification data wherein frame identification data of each successive data frame is distinguishable from identification data of a next preceding data frame and a next succeeding data frame; and

data communication means for transmitting and receiving the plurality of data frames between another data communication apparatus.

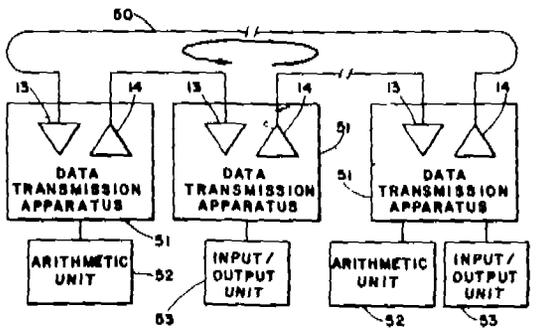


Fig. 2

Compl. Specn. 18 Pages. Drgs. 4 Sheets.

CLASS : 12-B. 168448
Int. Cl. : G 23 c 8/32; C 21 d 1/06.

METHOD FOR LOW-TEMPERATURE CARBONITRIDING OF STEEL PIECES.

Applicant & Inventors : (1) DANIIL BORISOVICH GORODETSKY, OF KIEV, ULITSA N. OSTROVSKOGO, 14a, KV. 12, USSR; (2) BORIS SHEILIKOVICH KHATIN, OF KIEV, BULVAR SHEVCNENKO, 58, KV. 31, USSR; (3) RAFAIL AKIMOVICH VITCHUK, OF KIEV, ULITSA MALINOVASKOGO, 3B, KV. 104, USSR.

Application No. 671/Cal/1987, filed on 27th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A method for low-temperature carbonitriding of steel pieces of high speed and other high-alloy steels and steel alloys consisting in that the steel pieces are treated in the medium of gaseous decomposition products of an organic introgenous reagent, i.e., polyamide in an enclosed space at a temperature of between 480°C—660°C and are then cooled.

Compl. Specn. 14 Pages. Drg. Nil.

CLASS : 123. 168449
Int. Cl : C 05 b 7/00; C 05 c 1/00, 9/00, 11/00.

AN IMPROVED METHOD OF PRODUCING GRANULES OF AMMONIA BASED FERTILISER.

Applicant : DALMIA INSTITUTE OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJGANGPUR-770017, DIST-SUNDARGARH, ORISSA, INDIA: AND HARI FERTILISERS LIMITED, P.O. SAITUPURI, DIST. VARANASI (PIN 221009), UTTAR PRADESH, INDIA.

Inventors : (1) DR. JAJNYADATTA PANDA, (2) DR. NILACHAL SAHOO, (3) PABITRA SAHU.

Application No. 691/Cal/1987, filed on 2nd September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

An improved method of producing granules of ammonia based fertiliser as herein described which comprises adding 0.2 to 2% by wt. of an additive such as, sodium silicate and magnesite calcined to a temperature not less than 750°C., adding 5 to 10% by wt. of water to the said mixture depending upon the original moisture content of the fertiliser, and subjecting the resulting mass to granulating operation in any conventional granulator such as, Eirich Granulator, Inclined Pan Granulator, Disc Granulator, Drum Granulator, and optionally adding a small amount of bentonite to the fertiliser before the granulation stage.

Compl. Specn. 6 Pages. Drg. Nil.

CLASS : 32-F$_3$. 168450
Int. Cl. : C 07 d 213/00.

METHOD FOR THE PREPARATION OF PYRIDINE-2, 3-DICARBOXYLIC ACIDS.

Applicant : AMERICAN CYNAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

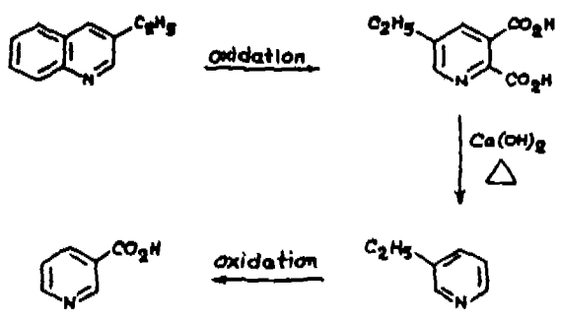
Inventors : (1) WILLIAM FREDERICK RIEKER, (2) WILLIAM ALAN DANIELS

Application No. 697/Cal/1987. filed on 2nd September, 1987.

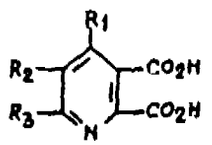
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office. Calcutta.

10 Claims

A method for the preparation of unsubstituted and substituted pyridine-2, 3 dicarboxylic acids of formula I of the accompanying drawings wherein :



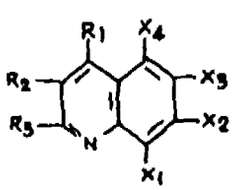
FLOW DIAGRAM
Fig. A



Formula (I)

R_1, R_2 and R_3 are each hydrogen, C_1—C_6 alkyl, hydroxy, C_1—C_6 alkyl, C_1—C_6 alkoxy, phenoxy, C_1—C_4 haloalkyl, nitro, hydroxy, amino, C_1—C_4 alkylamino, diloweralkylamino or C_1—C_4 alkylamino, diloweralkylamino or C_1—C_4 alkylsulfonyl group, carboxy, acyl, amido; or phenyl optionally substituted with one C_1—C_4 alkyl, C_1—C_4 alkoxy or halogen; difluoromethoxy, trifluoromethoxy, 1, 1, 2, 2-tetrafluoroethoxy, C_3—C_8 straight or branched alkenyloxy optionally substituted with one to three halogens, or C_3—C_8 straight or branched alkynyloxy optionally substituted with one to three halogens;

and when taken together, R_2 and R_3 may form a ring which may optionally be substituted, in which R_2R_3 are represented by —$(CH_2)_2$—Q—or—$(CH)_2$—Q—, where Q is oxygen, sulfur, nitrogen with the proviso that R_1 is hydrogen; comprising oxidizing a substituted quinoline of formula II



Formula (II)

wherein

R_1, R_2 and R_3 are as described for formula I above;

X_1, X_2, X_3, X_4 are each hydroxy, hydrogen, SO_3H, SO_2, Cl, SH, Cl, F, Br, I, CO_2H, NO_2; NH_2; or NHR, NR_2, $CONR_2$ or COR wherein R is C_1—C_4 alkyl; with the proviso that one of X_1, X_2, X_3 or X_4 is other than hydrogen; or the N-oxide thereof; or an acid addition salt thereof; in a minimum of one molar equivalent of acqueous base with eight to twenty molar equivalents of hydrogen peroxide.

Compl. Specn. 19 Pages. Drg. 7 Sheets.

Ind. Cl. : 32E 168451
Int. Cl. : C01B 13/14.

A PROCESS FOR THE PREPARATION OF POLYPHENYLENE OXIDE AS AN ADHERENT FILM ON METALLIC SUBSTRATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : MUTHANA THEVER VIJAYAN, SETHURAMAN PITCHUMANI & VENKATA SUBRAMANIAN KRISHNAN.

Application for Patent No. 572/Del/86, filed on 30th June, 1986.

Complete Specification left on 2nd June, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, New Delhi-5.

9 Claims.

A process for the preparation of polyphenylene oxide as an adherent film on metallic substrates as herein described, which comprises electropolymerization of an aqueous electrolyte which consists of a phenolic monomer, alkali and addition agent such as herein described, using mild steel, stainless steel or copper as anode and stainless steel as cathode at a temperature ranging from 25—30°C for 10 to 45 minutes employing voltage and current density ranging from 2 to 2.5 V and 1.0 to 15 mA/cm².

Prov. Specn. 3 Pages. Drg. Nil.
Compl. Specn. 7 Pages.

Ind. Cl. : 32E. 168452
Int. Cl. : C08F 1/88.

PROCESS FOR THE PRODUCTION OF ETHYLENE/ALPHA OLEFIN COPOLYMERS.

Applicant : UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW JERSEY ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLEBURY, CONNECTICUT 06749 (U.S.A.).

Inventors : WALTER NUDENBERG, EDWARD ROLAND GRANDBOIS, JAMIL AKBER KHAN & ROBERT ALFRED YATES.

Application for Patent No. 776/Del/86, filed on 29th August, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims.

1. A process for the production of ethylene/alpha olefin copolymer compriming the steps:

(a) introducing into a polymerization reactor

(i) monomers as herein described;

(ii) active polymerization catalyst as herein described; and

(iii) a polymerization reaction medium as herein described;

(b) subjecting said polymerization reactor to conventional polymerization condition a , thereby forming a reaction mass comprising polymer and active poymerization catalyst;

(c) removing in a known manner said reaction mass from the polymerization reactor;

(d) contacting said reaction mass with a liquid wash comprising at least one member selected from the group consisting of ethane, propane, butane, isobutane, neopentane, propylene, 1—butene, isobutene and 2—butent;

(e) isolating in a manner known per se the washed polymer from the wash solution/reaction slurry mixture of step [d].

Compl. Specn. 22 Pages. Drg. Nil.

Ind. Cl : 206 E. 168453
Int. Cl.[4] : H01 K1/00.

AN IMPROVED DEVICE FOR THE PRODUCTION OF SILICON RODS FROM SILICON FILAMENTS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

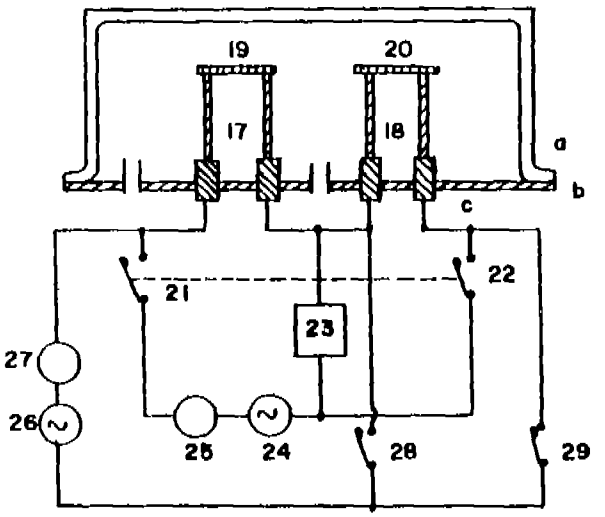
Inventors : VIPIN KUMAR, PATAKULANGARA VADAKKE MADATHIL NARAYANA IYER RAMNATHAN, BALARAM AWASTHY, NARAYAN SING BARGARI, PREM PRAKASH & HIRAMBA PRASAD GUPTA.

Application for Patent No. 876/Del/86, filed on 1st October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

5 Claims

An improved device for the production of silicon rods from silicon filaments which comprises of at least two pairs of individual silicon filaments (17, 18) detachably fixed to electrodes (c) each pair being connected (19, 20) individually, the said pairs of filaments being enclosed in a reaction vessel (a), the vessel having a base plate (b) provided with inlet and outlet (d) for gases to pass through the vessel for containing mixtures of gases of hydrogen and silanes, the filaments being connected in series and both the pairs being connected to a high voltage variable A.C source (24) through linked switches (21, 22), and ammeter (25) in series, the two pairs also being connected to the high voltage variable A.C source (24) through a reactive element (23) and a low voltage high power variable A.C source (26) through a switch (29) and ammeter (27) in series, the two pairs also being connected to the low voltage high power variable A.C source (26) through another switch 28.



Compl. Specn. 14 Pages. Drgs. 4 Sheets.

Ind. Cl : 40B & 40F. 168454
Int. Cl.[4] : B01J & 32/00.

A SELF SUPPORTING STRUCTURE FOR USE AS A CATALYST SUPPORT DISPOSED WITHIN A CONTAINING VESSEL.

Applicant : IMPERIAL CHEMICAL INDUSTRIES, PLC., A BRITISH COMPANY OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventor : PETER JOHN DAVIDSON.

Application for Patent No. 965/Del/86, filed on 31st october, 1986.

Convention date November, 13th 1985/8528031/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

6 Claims

A self supporting structure for use as a catalyst support disposed within a containing vessel and comprising an assembly of a plurality of discrete interlocking ceramic units (1 to 5) each unit having the general shape of a right prism of polygonal cross section having rectangular prism faces, having at least one upper projection (10) extending from the upper part of a prism face of the unit, and having a plurality of channels extending therethrough in a direction parallel to said prism faces, said units being disposed with their prism faces

adjacent the corresponding faces of adjacent units, or adjacent the walls of the containing vessel, such that: said structure is substantially free of pathways therethrough other than through said channels, each unit that is disposed adjacent the walls of the containing vessel has an upper projection resting upon a supporting surface of the containing vessel, each one unit that is not adjacent the walls of the containing vessel has an upper projection resting upon a lower projection extending from the lower part of a prism face of the unit that is adjacent to said one unit and is between said one unit and the wall of the containing vessel, and the individual units are capable of sufficient movement relative to one another that thermal expansion or contraction of the individual units can be accommodated, whereby expansion or contraction of the units relative to the vessel has the cumulative effect of causing variation in the extent of bowing of the structure.

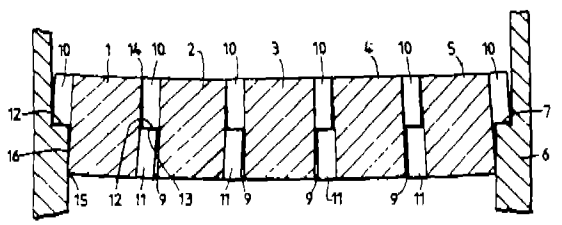


Fig. 1

Compl. Specn. 20 Pages. Drgs. 10 Sheets.

Ind. Cl : 188. 168455
Int. Cl. : C23 C-22/52.

IMPROVEMENTS IN OR RELATING TO THE PROCESS FOR THE PREPARATION OF ANTI-TARNISHING LACQUER FOR COPPER AND ITS ALLOYS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SUBBIAH GURUVIAH, MEYYAPPA SUNDADRAM & VYDIANATH GANESA SARMA.

Application for Patent No. 1142/Del/86, filed on 24th December, 1986.

Complete Specification left on 21st October, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

4 Claims

A process for the preparation of an anti-tarnishing lacquer for copper and its alloys which comprises mixing 40 to 60% of film forming material selected from (1) rosin modified phenolic resin of acid value 15-20, iodine value 20-25 and melting point 118-120°C, (2) diglycidyl ether of bisphenol A type epoxides of molecular weight ranging from 900-1000 or (3) cellulose nitrate with 60 to 40% organic solvent such as herein described, then adding 0.2 to .5% an additive selected from benzotriazole and monoethanol amine to the resultant solution.

Prov. Specn. 4 Pages.
Compl. Specn. 6 Pages. Drg. Nil

Ind. Cl. : 32E IX(1). 168456
Int. Cl.[4] : C 08 f 10/00.

PROCESS FOR PREPARING A POLYCLOOLEFIN PRODUCT IN THE FORM OF A FILM OR A SHEET.

Applicants : THE B.F. GOODRICH COMPANY, A NEW YORK CORPORATION, OF 500 SOUTH MAIN STREET, AKRON, OHIO 44318, UNITED STATES OF AMERICA.

Inventor : DONALD MORGAN KURTZ.

Application for the Patent No. 1032/Del/86, filed on 26th November 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

11 Claims

Process for preparing a polycycloolefin product in the form of a film or a sheet comprising the steps of depositing a thin layer of a polymer solution on a support surface such as herein described, said polymer solution being a solution of a polymer consisting of at least one cycloolefin monomer as herein described, a norbornene group and unsaturation in the polymer backbone in a solvent forsaid polymer drying said polymer solution to remove said solvent so that said polymer is disposed in a uniform, thin layer on said support surface and finally curing the coated support to obtain the product.

Compl. Specn. 25 Pages. Drg. 1 Sheet.

Ind. Cl : 134 B. 168457
Int. Cl. : F16 D 65/14.

AN ADJUSTER DEVICE FOR A CONTROL CABLE ASSEMBLY AS IS USED IN AUTOMOBILE AUTOMATIC TRANSMISSIONS.

Applicant : ACCO BABCOCK INC. A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF 425 POST ROAD, FAIRFIELD, CONNECTICUT 06430, UNITED STATES OF AMERICA.

Inventors : NORMAN BERNARD LICHTENBERG & ADAM WLADYSLAW CHAZYK.

Application for Patent No. 130/Del/87, filed on 16th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

9 Claims

An adjuster device for a control cable assembly such as is used in automobile automatic transmission comprising cable (13) and conduit elements (10) having a cylindrical adjuster member (15) movable within a tubular body (14) connected to form a part of one of the elements, to effect adjustment of the relative length thereof, the cylindrical adjuster member being provided with two, longitudinally extending, diametrically opposed, sets of (16, 17) chordal teeth, the tubular body being provided with two, diametrically opposed axial slots having pawls extending therethrough, each said pawl (18)

having teeth on radially inner faces thereof, each said pawl being resiliently biassed by a common resilient biassing means (20) radially inwardly to urge the teeth on the pawls into engagement with respective adjacent set of chordal teeth on the cylindrical adjuster member, the teeth on the adjuster member and pawl co-acting and engaging together with the axial location of full engagement between said teeth on one said pawl and the associated set of chordal teeth on the cylindrical adjuster member being displaced axialy from the axial location of full engagement between teeth on the further pawl and the associated further set of chordal teeth on the cylindrical adjuster member by an amount corresponding to a half a pitch of the teeth to permit incremental movement, in steps of a half a pitch of the teeth, of the tubular body relative to the cylindrical adjuster member in one direction with the pawls being forced alternately radially outwardly against the common resilient biassing means to disengage the respective teeth and to prevent such movement in the opposite direction.

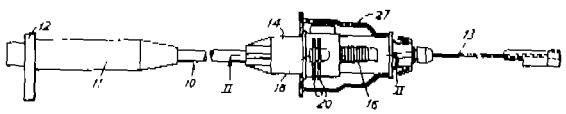


Fig. 1

Compl. Specn. 13 Pages. Drgs. 3 Sheets.

Ind. Cl.: 27M [XXVI(1)]. 168458
Int. Cl.⁴: E 04B 1/344, 1/348.

A MULTIPLE-LEVEL SCAFFOLDING DEVICE FOR USE IN THE ASSEMBLING OF LARGE-SCALE STRUCTURES.

Applicants: ERNO RAUMFAHRTTECHNIK GmbH, OF HUNEFELDSTRASSE 1—5, D—2800 BREMEN 1, WEST GERMANY, A COMPANY ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventors: KARL-HEINZ KUMMER.

Application for the Patent No. 185/Del/87, filed on 3rd March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

4 Claims

A multiple-level scaffolding device for use in the assembling of large-scale structure such as rocket stages characterised in that said device comprises:

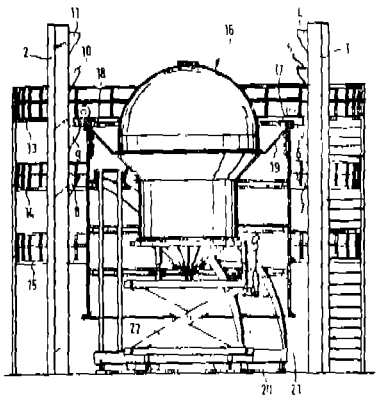
at least three columns or towers located such that their bases lie along the circumference of a circle;

a plurality of support projections provided on each column, said projections extending radially inward of the circle along which said columns lie;

a plurality of vertically spaced annular assembly platforms connected to and surrounding said columns externally of said circle and concentric thereto;

a ring structure supported by the said support projections located within the circumference of said circle along which said columns lie; and

a spiral staircase mounted for movement on a circular track provided at ground level within the circumference of said circle with the axis of said spiral passing through the centre of the said circular track.



Compl. Specn. 10 Pages. Drgs. 5 Sheets

Ind. Cl: 191 XXXVII(2). 168459
Ind. Cl.: F16G-11/00, 11/03.

A CONNECTOR CLIP FOR A RIBBON CABLE CONNECTOR.

Applicant: THE BABCOCK & WILCOX COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70112, UNITED STATES OF AMERICA.

Inventor: EDWARD F. STOCKMASTER.

Application for Patent no. 330/Del/87, filed on 15th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

13 Claims

A connector clip (10) for a ribbon cable connector comprising a side (12) wall,

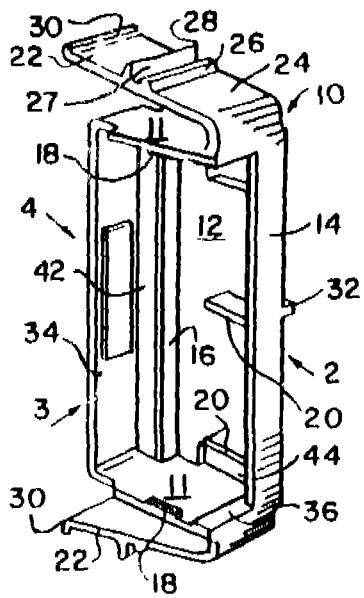
a pair of end walls (11) connected to opposite ends of said (12) side wall;

a front (14) lip connected to said side (12) wall and to said end walls (11) and extending between said end (11) walls, said side (12) wall, end walls (11) and front (14) lip together forming a receptacle having an open front and an open side opposite from said side (12) wall,

a directional snap tab extending from each end (11) wall to said receptacle and near a side of each and wall opposite from said side (12) wall; and characterised by

a resilient spring (22) tab connected to an outer surface of each end wall (11) near said front (14) lip, each (22) spring tab extending at an angle outwards from its respective end (11) wall in a direction away from said front (14) lip, each spring (22) tab carrying a panel (27) slot on an outer surface thereof; whereby a cable (100) connector

is insertable without the aid of any tools into said receptable behind said front (14) lip, said snap (18) tabs beings engaged against the connector (102) for retaining the connector (100) in said receptable, said spring (22) tabs being resiliently movable towards each other for receiving edges of a panel opening in said panel (27) slots to hold said clip to a panel having panel openings.



Compl. Specn. 11 Pages. Drgs. 2 Sheets.

Ind. Cl : 32 $F_{(8)}$IX(1) 168460
Int. Cl[4] : A61K 31/075.

A PROCESS FOR PRODUCING AN ANTIBIOTIC OR A PHARMACEUTICALLY ACCEPTABLE CATIONIC SALT THEREOF.

Applicant : PFIZER LIMITED, A BRITISH COMPANY, OF RAMSGATE ROAD, SANDWICH, KENT, ENGLAND.

Inventors : ALEXANDER CROSSAN GOUDIE & NIGEL DERK ARTHUR WALSHE.

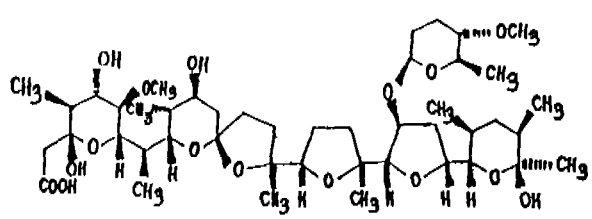
Application for the Patent No. 636/Del/87, filed on 27th July, 1987.

Convention Date August 1st 1986/8618844/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-5.

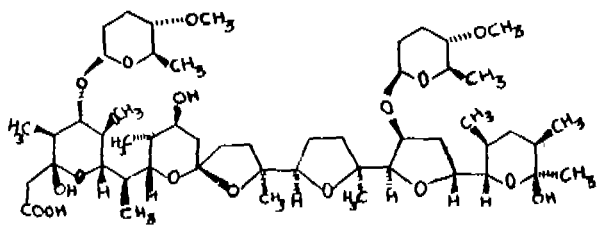
5 Claims

A process for producing an antibiotic of Formula I of the drawings



Formula I

or a Pharmaceutically acceptable cationic salt thereof, said process comprises controlled hydrolysis in a manner as herein described of a compound of formula II of the drawings



Formula II

to produce the antibiotic of formula I of the drawings and if desired converting the free acid form of the antibiotic of formula I of the drawings to a pharmaceutically acceptable cationic salt thereof by any known manner.

Compl. Specn. 16 Pages. Drg. 1 Sheet.

Ind. Cl : 25-A, B & d [GROUP-XXV(1)] 168461
Int. Cl[4] : E 04 F 15/024.

A RIGID FLOOR TILE FOR A RAISED FLOORING SYSTEM AND METHOD OF MANUFACTURING THE SAME.

Applicant : ATLAS AIR AUSTRALIA PTY LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES OF 133 VICTORIA ROAD, ROZELLE, NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA.

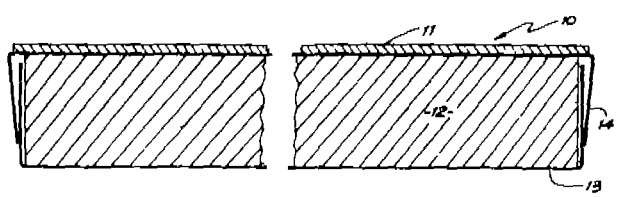
Inventor : COLIN WARD.

Application No. 542/Mas/86, filed on 15th July, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

15 Claims

A rigid floor tile, for a raised flooring system, comprising a planar core member encapsulated in a metal sheath, said sheath comprising a lower metal pan into which the core member fits, and an upper, inverted metal pan which fits over the lower pan and the core member, each of the pans comprising a rectangular central portion bordered by substantially perpendicular edge portions, the sum of the heights of the respective edge portions being greater than the thickness of the core member and the metal pans being bonded to the core member over substantially the entire surface thereof.



Compl. Specn. 9 Pages. Drgs. 2 Sheets.

Ind. Cl : 207-[GROUP-XLIII(6)] 168462
Int. Cl.[4] : B 27 K 3/36

A PROCESS FOR PRODUCING LIGNOCELLULOSIC MATERIALS WITH IMPROVED DIMENSIONAL STABILITY AND BIOLOGICAL RESISTANCE.

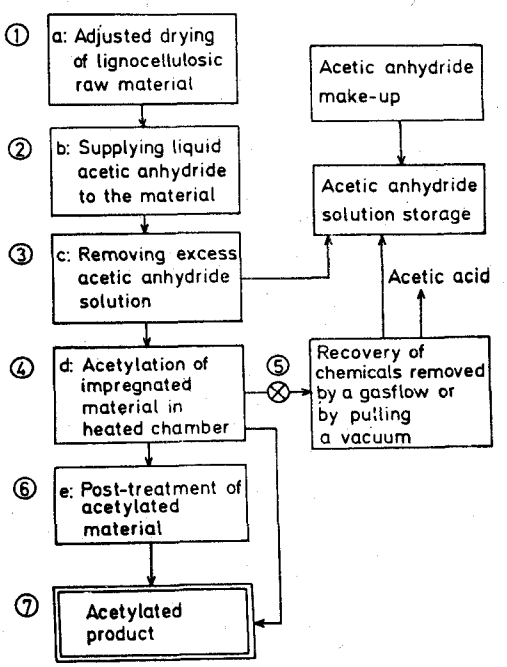
Applicants & Inventors : (1) ROGER M. ROWELL, OF 4510 GREGG ROAD, MADISON, WISCONSIN 53705, U.S.A., AMERICAN CITIZEN, (2) RUNE SIMONSON, OF SOTENAS-VAGEN 64, S-433 64 PARTILLE, SWEDEN, SWEDISH CITIZEN AND (3) ANNEMARIE TILLMAN, OF SAXOFONGATAN 1, S-421 39 VASTRA FROLUNDA, SWEDEN, SWEDISH CITIZEN.

Application No. 645/Mas/86, filed August 11, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

12 Claims

A process for producing lignocellulosic materials with improved dimensional stability and biological resistance comprising the steps of (a) drying lignocellulosic material to a moisture content not exceeding 20% preferably not exceeding 10%; (b) impregnating the dried lignocellulosic material in liquid acetic anhydride; (c) removing the excess liquid acetic anhydride (d) heating the impregnated lignocellulosic material to an elevated temperature in the range of 80°C to 150°C, preferably 90°C to 130°C for a period of time depending upon the dimension of the said impregnated lignocellulosic material for the main part of the material to attain the abovementioned temperature range at which the acetic anhydride reacts with the lignocellulosic material providing lignocellulosic material with improved dimensional stability and biological resistance having a predetermined weight gain.



Compl. Specn. 27 Pages. Drg. 1 Sheet.

Ind. Cl : 56-E—[GROUP-V] 168463
Int. Cl.[4] : C07 C 7/04

A PROCESS FOR PRODUCING C_1 OR C_2 HYDROCARBONS BY FRACTIONATION OF A GAS COMPRISING A MIXTURE OF HYDROCARBONS CONTAINING 1 TO 10 CARBON ATOMS AND ACID GASES.

Applicant : LINDE AKTIENGESELLSCHAFT, ABRAHAM-LINCOLN-STRASSE 21, D-6200WIESBADEN, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

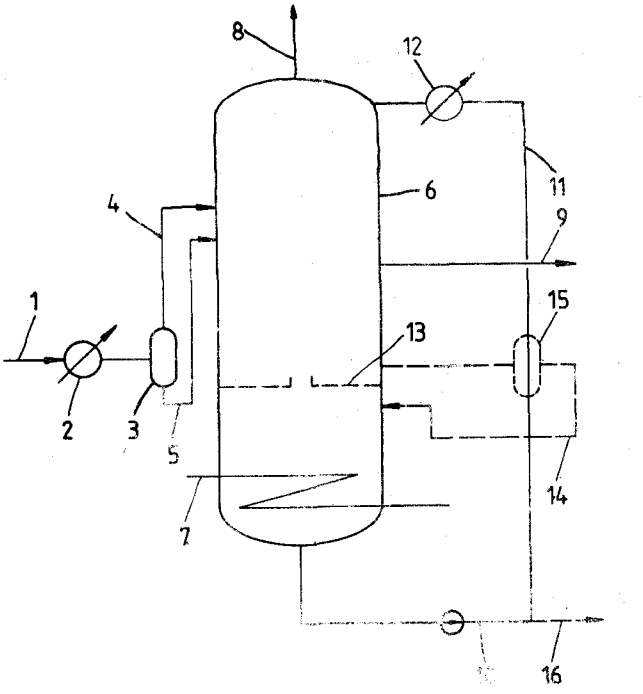
Inventors : (1) GERHARD RANKE, (2) DR. ELMAR DIEHL.

Application No. 655/Mas/86, filed on 13th August, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office,Madras Branch.

4 Claims

A process for producing C_1 or C_2 hydrocarbons by fractionation of a gas comprising a mixture of hydrocarbons containing 1 to 10 carbon atoms and acid gases such as hydrogen sulfide, carbon dioxide and sulfur dioxide comprising the steps of cooling the gas mixture to form liquid and gaseous phases, feeding the said phases into a distillation column operated at a presure of between 10 and 42 bar to form a gaseous overhead fraction containing C_1 or C_2 hydrocarbons and bottom fraction containing C_{4+} hydrocarbon from the bottom product is cooled to —30° to +30°C and fed to the upper section of the distillation column as scrubbing agent to scrub out the C_{2+} or C_{3+} hydrocarbon fraction which would otherwise be withdrawn from the column in the gaseous overhead fraction.



Compl. Specn. 13 Pages. Drg. 1 Sheet.

Ind. Cl.: 49 E [GROUP—XV (1)] 168464
Int. Cl.[4]: A 47 J 27/66

A MODIFIED MICROWAVE COOKING APPARATUS.

Applicant: ALFA INSTITUT FUR HAUSWIRTSCHAFTLICHE PRODUKT-UND VERFAHRENS-ENTWICKLUNG GmbH, ALBRECHTSTRASSE 4, 6228 ELTVILLE AM RHEIN 2, WEST GERMANY, A COMPANY ORGANIZED UNDER THE LAWS OF WEST GERMANY.

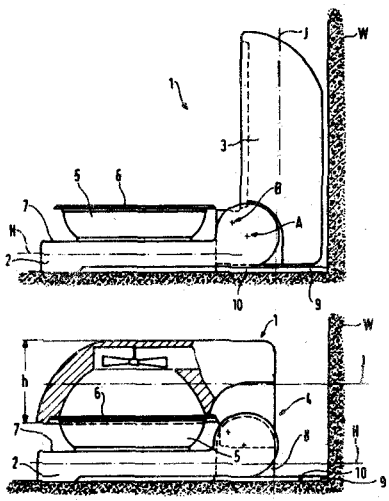
Inventor: HORST SCHULTZ.

Application No. 702/Mas/86, filed on 1st September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

6 Claims

A modified microwave cooking apparatus for the preparation of food, having a lower section (2) to accommodate a pot—, dish—, or pan-like manipulable container (5) for the food, said container (5), and an upper section (3) which is joined by an intermediate column (4) with the lower section (2), the upper section (3) when in the operating position, fitting over the lower section in the manner of a hood or cowl, whereby in the closed operating position the upper edge (6) of the container (5) rests against the upper section (3) so as to form a seal to prevent the egress of microwave radiation, wherein the lower section (2) and the upper section (3) are hinged to each other such that because of a relative displacement of the lower section (2) and the upper section (3), the upper section (3) when in a closed non-operating position—with the container removed—lies on or close to the lower section (2) in the area of a standing surface (7) for the container (5) and wherein the principle planes (H, I) of the lower section (2) and the upper section (3) are parallel or nearly parallel to each other both in the closed operating and closed non-operating position, and in the open position are perpendicular or nearly perpendicular to each other.



Compl. Specn. 14 Pages. Drgs. 1 Sheet.

Ind. Cl.: 9 D [GROUP—XXXIII (1)] 168465
Int. Cl.[4]: C 22 C 33/04

METHOD OF MAKING A POWDER PARTICLE FOR PREPARATION OF A FINE-GRAINED HARD MATERIAL ALLOY.

Applicant: SANTRADE LIMITED, OF P.O. BOX 321, CH-6002 LUZERN, SWITZERLAND, A SWISS COMPANY.

Inventors: CARL SVEN GUSTAF EKEMAR AND ROLF GREGER OSNARSSON.

Application No. 726/Mas/86, filed on 9th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

4 Claims

A method of making a powder particle having average grain size of 1 to 16 μm suitabe for manufacturing fine grained hard material alloy consisting of hard principles and binder metal alloy comprises, melting 25 to 90% by volume of hard principles selected from compounds of one or more elements from the groups IVA, VA and VIA of the periodic table and SI with C, N and/or B with 75 to 10% by volume of a binder metal alloy of Fe, CO, and/or Ni, casting a brittle pre-alloy crushing and/or milling the said pre-alloy and nitriding or carburizing at a temperature of 200-1200 degree C for the simultaneous formation 'in situ' of hard principle grains and binder metal alloy constituents in the powder particle obtained.

Compl. Specn. 14 Pages. Drg. Nil.

Ind. Cl.: 116 F [GROUP—XLIX] 168466
Int. Cl.[4]: B 66 B 1/66

A COMPUTER CONTROLLED LIFT INSTALLATION HAVING A SYSTEM FOR ENTERING INSTALLATION SPECIFIC INFORMATION.

Applicant: ELEVATOR GmbH, OF RATHAUSSTRASSE 1, CH-6340 BAAR, SWITZERLAND, A SWISS COMPANY.

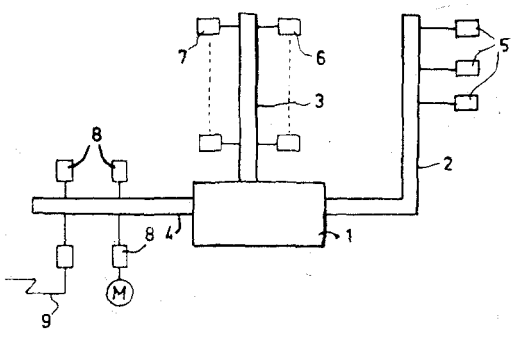
Inventor: MATTI OTALA.

Application No. 734/Mas/86, filed on 16th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

5 Claims

A computer controled lift installation having a system for entering installation specific information comprising a lift provided with action means (5—7) capable of data transfer, a lift control computer (1) and a lift motor control (8); the said installation is provided with connection means (2, 3) connected between the said control computer (1) and the said action means (5—7) for the control computer to map the action means used in the installation and their positions prior to commissioning the lift for use, an address register in the control computer (1) for tabulated addresses representing the said action means (5—7) for defining the kind and number of action means present in the installation on the basis of the answers received for a query sent by the control computer to the said address register; connection means (4) connected between the control computer (1) and the lift motor control device (8) for running a test travel, by activating and reading the action means the control computer defines the location of the action means, the geometry of the building and the distances between the floors; and a permanent memory unit in the control computer in which all the information received are stored for controlling the lift during normal operation of the lift.



Compl. Specn. 12 Pages. Drgs. 1 Sheet.

Ind. Cl.: 1 A [GROUP—XLII (1)] 168467
Int. Cl.[4]: C 09 J 3/00

AN IMPROVED ADHESIVE STICK COMPOSITION.

Applicant: HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY OF HENKELSTRASSE 67, DUSSELDORF, FEDERAL REPUBLIC OF GERMANY.

Inventors: DR. GERHARD GIERENZ AND GABRIELLA KRAUS.

Application No. 831/Mas/86, filed on 22nd October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

12 Claims

A soft-rubbing adhesive stick composition based on a solution thickened with solidified soap gel of water-soluble or water-dispersible synthetic polymers of adhesive character in an aqueous organic solvent mixture, characterized in that the stick composition additionally contains lactams of C_4—C_{12} aminocarboxylic acids and/or the corresponding ring-opened aminocarboxylic acids of from 2.5 to 15% by weight.

Compl. Specn. 11 Pages. Drg. Nil.

Ind. Cl.: 172 E [GROUP—XX] 168468
Int. Cl.[4]: B 65 H 54/02

A YARN TAKE-UP FOR WINDING YARN INTO A PACKAGE.

Applicant: MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors: (1) ROBERT DEMUTH, (2) WALTER HEFTI, (3) URS KELLER AND (4) DANIEL HANSELMANN.

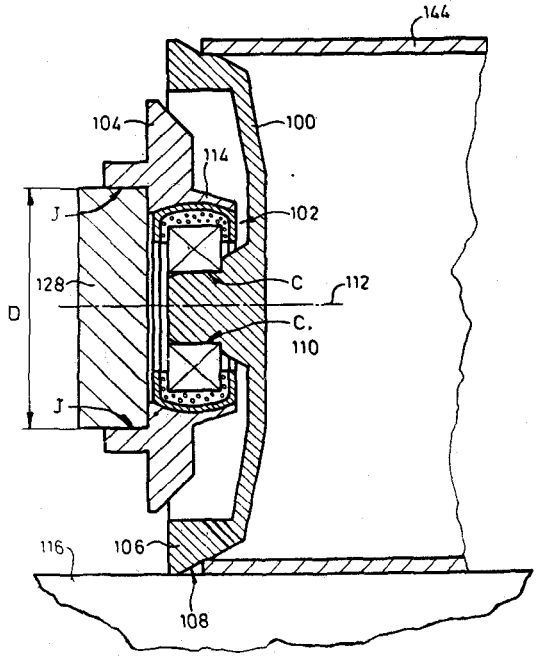
Application No. 895/Mas/86, filed on 19th November, 1986.

Convention date 24th December, 1985 No. 85 31 722 (Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

11 Claims

A yarn take-up for winding yarn into a package (48) comprising a roller rotatable about a predetermined axis, a tube supporting mechanism having means to define an axis of rotation of the tube (44) and urging the tube into engagement with the roller in a zone of contact with the roller, the tube axis and the roller axis being approximately parallel and resilient means permitting relative displacement of relatively rigid parts of the supporting mechanism, wherein the supporting mechanism existing of a cradle means (22) which supports the tube (44) at both ends, whereas the rigid parts and the resilient means forming part of the cradle means (22) and are such as to permit a greater extent of relative displacements in direction substantially parallel to a line joining the roller axis and the zone of contact than in directions parallel to the roller axis and the tube axis.



Compl. Specn. 35 Pages. Drgs. 6 Sheets.

Ind. Cl.: 168 C [GROUP—LI (4)] 168469
Int. Cl.[4]: G 06 F 3/00

A MULTI-PROCESSING DATA PROCESSING SYSTEM.

Applicant: INTERNATIONAL BUSINESS MACHINES CORPORATION, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, OF ARMONK, NEW YORK 10504, UNITED STATES OF AMERICA.

Inventors: (1) BALLARD JOHN BLEVINS, (2) WILLIAM GARY KULPA & (3) JOSEPH RICHARD MATHIS.

Application No. 938/Mas/86, filed on 3rd December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

5 Claims

A multi-processing data processing system comprising two data processing units,

a data processor on each of said data processing units,

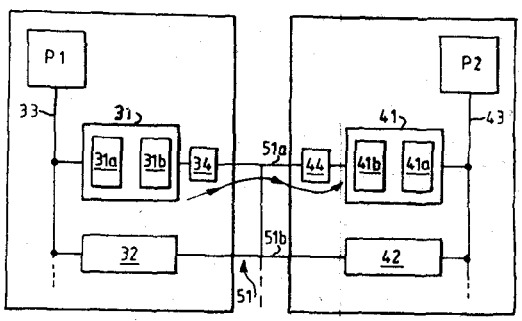
a data storage unit in each of said data processing units,

each storage unit having a random access portion and an associated sequential access portion,

means for transferring data between the random access portion of each of said storage units and its associated sequential access portion,

means connecting the sequential access portions of said storage units to each other to permit data flow therebetween, and

control means for controlling said data transfer so that said data flow between the sequential access portions of said storage units occurs asynchronously of the remainder of said system.



Compl Specn. 11 Pages. Drgs. 2 Sheets.

Ind. Cl.: 32 E [GROUP—IX (1)] 168470
Int. Cl.[4]: B 32 B 27/28

APPARATUS FOR MANUFACTURING A CYLINDRICAL MULTILAYER FILM OF SYNTHETIC RESIN.

Applicant & Inventor: MICHIO SUDO, C/O NIKKO RESIN CO. LTD., FUJIKOSHI BLDG., NO. 23-7 HIGASHI GOTANDA 5-CHOME, SHINAGAWA-KU, TOKYO, JAPAN, A CITIZEN OF JAPAN.

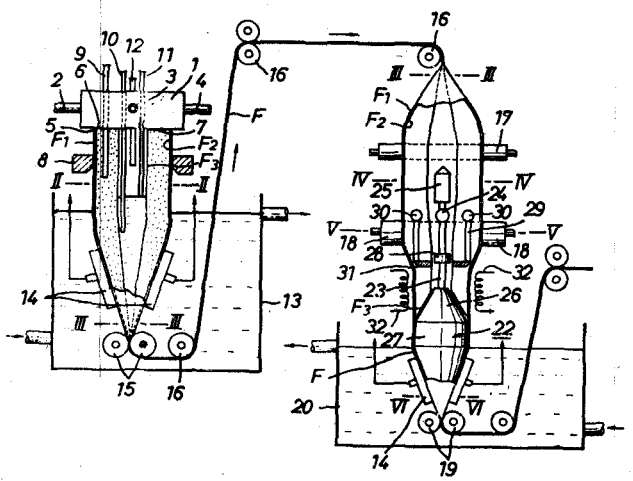
Application No. 834/Mas/88, filed on 25th November, 1988.

Divisional to Patent No. 164630 (346/Mas/85); Ante-dated to 7th May, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

2 Claims

An apparatus for manufacturing a cylindrical film of synthetic resin, said cylindrical multi-layer film consisting of an outer cylindrical film, an intermediate cylindrical film and an inner cylindrical film, all of which are extruded concentrically and in which the material of said inner film has a lower melting point than that of the other two films, comprising a first pair of nip rolls squeezing said three cylindrical films therebetween; a second pair of nip rolls spaced from said first pair of nip rolls and rotated at a higher speed than said first pair of nip rolls; a mandrel disposed within said inner film between said first and said second pair of nip rolls, said mandrel having a concical portion, upon which slope said inner film is stretched transversely to expand said inner film to the diameter of said outer film, said mandrel having a high frequency internal heating means comprising a high frequency transmission circuit means disposed outside outer cylindrical film and a high frequency receiver means disposed inside said mandrel; external heating means in the region of said mandrel for heating said intermediate film to a temperature near to a melting point so as to unite said outer film integrally with said inner film, thereby producing a multi-layer film; and cooling means disposed below said mandrel for cooling said multi-layer film.



Compl. Specn. 21 Pages. Drgs. 2 Sheets.

Name Index of Applications for Patents for the month of December, 1990 (No.—1005/Cal/90 to 1065/Cal/90, 313/Bom/90 to 353/Bom/90, 972/Mas/90 to 1056/Mas/90 and 1218/Del/90 to 1346/Del/90.

Name & Application No.

CALCUTTA

(1005/Cal/90 to 1065/Cal/90)

—A—

Acna Chimica Organica S.p.A.—1011/Cal/90.

American Motion Systems.—1010/Cal/90.

—B—

Beloit Corporation.—1025/Cal/90.

Name & Application No.

—C—

C.R.A.—SERVICES Limited.—1007/Cal/90.

Communications Satellite Corporation.—1022/Cal/90.

Copeland Corporation.—1055/Cal/90.

—E—

EBG Gesellschaft Fur Elcktromagnetische.—1006/Cal/90.

E.I.—Du Pont De Nemours and Company, 1015/Cal/90, 1017/Cal/90, 1035/Cal/90, 1038/Cal/90, 1052/Cal/90, 1057/Cal/90, 1058/Cal/90 and 1059/Cal/90.

Eaton Corporation.—1062/Cal/90.

Emitec Gesellschaft Fur Emissionstechndogie Mbh.—1023/Cal/90.

—F—

Fischman—Whitson W.—1043/Cal/90.

Franz Plasser Bahnbaumaschimen-Industriegesellschaft M.b.H.—1047/Cal/90, 1048/Cal/90 and 1049/Cal/90.

—G—

General Electric Company.—1005/Cal/90, 1054/Cal/90.

Genpharm International.—1037/Cal/90.

—H—

Hans Oetiker Ag.—Maschinen-Und Apparatefabrik.—1050/Cal/90.

Himont Incorporated.—1019/Cal/90, 1042/Cal/90.

Hitachi Construction Machinery Co., Ltd.—1020/Cal/90.

Hitachi Ltd.—1034/Cal/90, 1051/Cal/90.

—I—

ICI India Limited.—1009/Cal/90.

Ishihara Sangyo Kaisha Ltd.—1060/Cal/90.

—K—

Kabelmetal Electro Gesellschaft mit beschrankter Haftung.—1024/Cal/90.

Kent J.—M.—1008/Cal/90.

Korsnas Ab.—1056/Cal/90.

—L—

Lang R.A.—1031/Cal/90.

Lanxide Technology Co.—Lp.—1021/Cal/90 and 1065/Cal/90.

Licentia Patent—Verwaltungs GmbH.—1061/Cal/90.

—M—

Metallgesellschaft Aktiengesellschaft.—1026/Cal/90 and 1027/Cal/90.

—N—

National Research Council of Canada.—1033/Cal/90.

Name & Application No.

—P—

Pell-Mell Pty. Ltd.—1012/Cal/90.

—Q—

Quickwheel Holdings B.V.—1028/Cal/90.

—R—

RXS Schrumpftechnik-Garnituren GmbH.—1053/Cal/90.

Rai A.K.—(Mr.) 1036/Cal/90.

Ramot—University Authority for Applied Research and Industrial Development Ltd.—1056/Cal/90.

—S—

Samsung Electron Devices Co. Ltd.—1018/Cal/90, 1063/Cal/90 and 1064/Cal/90.

Samsung Electronics Co. Ltd.—1013/Cal/90.

Sarode M.Y.—1041/Cal/90.

Sheu T.J.—1044/Cal/90.

Shkondin V.V.—1039/Cal/90.

Siemens Aktiengesellschaft.—1046/Cal/90.

Sil S.K.—(Sri).—1029/Cal/90 and 1030/Cal/90.

Stone & Webster Engineering Corpn.—1045/Cal/90.

—T—

Technion Research and Development Foundation Ltd.—The.—1056/Cal/90.

Texaco Development Corporation.—1014/Cal/90.

—U—

Universidade De Sao Paulo—Usp.—1016/Cal/90.

—X—

Xiual S.—1040/Cal/90.

BOMBAY
(313/Bom/90 to 353/Bom/900)

—A—

Antoorkar S.B.—323/Bom/90.

Automotive Research Association of India, The.—341/Bom/90.

—C—

Contractor P.N. (Shree).—346/Bom/90.

—D—

Deshmukh J.W.—348/Bom/90.

—E—

Eagle Flask Industries Ltd.—316/Bom/90.

Eden Park Pharma Pvt. Ltd. M/s.—327/Bom/90.

Name & Application No.

—H—

Hada R.S.—319/Bom/90, 320/Bom/90, 321/Bom/90 and 322/Bom/90.

Hindustan Lever Ltd.—317/Bom/90, 318/Bom/90, 332/Bom/90, 333/Bom/90, 334/Bom/90 and 338/Bom/90.

Hoechst India Ltd.—314/Bom/90 and 335/Bom/90.

—I—

Indian Oil Corporation Ltd.—315/Bom/90 and 339/Bom/90.

Ingersoll—Rand (india) Ltd.—349/Bom/90.

—K—

Kalsi J.S.—330/Bom/90.

Kamde V.—326/Bom/90.

—M—

Maller R.—336/Bom/90.

Mohan.—313/Bom/90.

Mossa S.—337/Bom/90.

Mundachali K.R.—344/Bom/90.

Mutlani S.C.—340/Bom/90.

—O—

Oil & Natural Gas Commission.—325/Bom/90.

Outokumpu Oy.—351/Bom/90.

—P—

Padmawar A.R.—324/Bom/90.

Parikh R.H.—342/Bom/90 and 343/Bom/90.

Patil V.B.—350/Bom/90.

Peico Electronics & Electricals Ltd.—331/Bom/90.

—R—

Ramadive H.M.—352/Bom/90.

Rao S.S.V.K.—347/Bom/90.

—S—

Sandhu S.J.S.—345/Bom/90.

—T—

Technicraft Industries.—353/Bom/90.

—W—

Wagh A.S.—328/Bom/90 and 329/Bom/90.

MADRAS

(972/Mas/90 to 1056/Mas/90)

—A

A.B.—Chance Company.—1044/Mas/90 and 1045/Mas/90.

Abraham I.—993/Mas/90.

Name & Application No.

A—Contd.

Agency of Industrial Science and Technology and Miracle Company Limited.—992/Mas/90.

Asea Brown Boveri Ltd.—1003/Mas/90, 1029/Mas/90 and 1042/Mas/90.

Aswani Kumar P.R.—1039/Mas/90.

—B—

BASF Aktiengesellschaft.—1013/Mas/90.

BIC Corporation.—1033/Mas/90.

Bank Taylor Hobson Limited.—1011/Mas/90.

Bespak PLC.—984/Mas/90.

Board of Governors of Wayne State University, The.—997/Mas/90.

Bose V. J.—995/Mas/90.

Brandt Inc.—1051/Mas/90.

British Steel Plv.—1052/Mas/90

Brown C. D.—1043/Mas/90.

—C—

CdF Ingenierie Coreal.—1046/Mas/90.

Caterpillar Inc.—1010/Mas/90, 1026/Mas/90 and 1030/Mas/90.

Central Power Research Institute.—994/Mas/90.

Comalco Aluminium Limited.—1035/Mas/90.

Comalco Limited.—1000/Mas/90.

Connell Limited.—1020/Mas/90.

—D—

Daikin Industries Ltd.—979/Mas/90, 981/Mas/90 and 1032/Mas/90.

Devasia P.V.—996/Mas/90.

Didier Ofu Engineering GmbH.—1036/Mas/90.

—E—

Enitricerche S.p.A.—1023/Mas/90.

—F—

FCB.—1028/Mas/90.

FMC Corporation.—999/Mas/90.

Felix T.—(Rev.—Fr.) 1034/Mas/90.

—G—

GTM Batiment Et.—Travaux Publics.—1024/Mas/90.

George J.—1048/Mas/90.

Gopalakrishnan S.P.—1056/Mas/90.

Name & Application No.

—H—

HJL Projects & Developments Ltd.—1050/Mas/90.

Hans-Otto Schwarze.—976/Mas/90 and 977/Mas/90.

Hutt R. (Mr.)—1018/Mas/90.

—I—

Inland Steel Company.—974/Mas/90.

Institut Francis Du Petrole.—972/Mas/90.

Itex Enterprises Inc.—1022/Mas/90.

—K—

Krupp Koppers GmbH.—1036/Mas/90.

—L—

Lacrex S.A.—1009/Mas/90 and 1014/Mas/90.

Ledenil E. (Mr.)—1018/Mas/90.

Lonza Ltd.—991/Mas/90.

Lucas-TVS Ltd.—982/Mas/90.

—M—

Maschinenfabrik Rieter Ag.—998/Mas/90.

Minnesota Mining and Manufacturing Company—973/Mas/90 and 1037/Mas/90.

Mitsui Petrochemical Industries Ltd.—989/Mas/90.

Motley Manufacturing Agencies Pty. Ltd.—1008/Mas/90.

—N—

Nazeemudeen N.P.M.S.K.—1019/Mas/90.

Nitto Chemical Industry Co. Ltd.—1041/Mas/90 and 1042/Mas/90.

—O—

O'Sullievan D.—1043/Mas/90.

Owens-Illinois Inc.—990/Mas/90.

—P—

Pall Corporation.—1047/Mas/90.

Palitex Project-Company GmbH.—1021/Mas/90.

Pillai K.P.R.—1049/Mas/90.

Puthuparambil G.S.—996/Mas/90.

—R—

Raju M.K.—1027/Mas/90.

Reddy P.R.L.N.—983/Mas/90.

Refurbished Turbine.—Components Limited—1031/Mas/90 & 1053/Mas/90.

Roychowdhury S.—987/Mas/90.

Name & Application No.

—S—

Saravana Kumar B.—1012/Mas/90.

Sarma M.S.V.—1004/Mas/90.

Selva Kumar C.—1005/Mas/90.

Selvarajan Z.—1038/Mas/90.

Sepractor Inc.—1025/Mas/90.

Shanmugavel M.—1001/Mas/90.

Slagteriselskabet WENBO A.m.b.A.—986/Mas/90.

Snamprogetti S.p.A.—1023/Mas/90.

Sollac. 1015—Mas/90 and 1016/Mas/90.

Stamicarbon B.V.—980/Mas/90.

Still Otto GmbH.—1036/Mas/90.

—T—

Thirunavakkarasu J.—978/Mas/90.

—U—

Union Carbide Chemicals & Plastics Company Inc.—985/Mas/90.

United Distillers PLC.—988/Mas/90.

Usinor Sacilor.—975/Mas/90 and 1002/Mas/90.

—V—

VST Industries Limited.—1007/Mas/90.

—Z—

Zellweger Uster Ag.—1006/Mas/90 and 1007/Mas/90.

Zimmermann & Jansen GmbH—1054/Mas/90 and 1055/Mas/90.

—DELHI—

(1218/Del/90 to 1346/Del/90)

—A—

AEG Westinghouse Industrial Automation Corporation.—1218/Del/90 & 1219/Del/90.

Aggle Recovery.—1311/Del/90.

Alcon International Ltd.—1306/Del/90 & 1336/Del/90.

Apple Computer Inc.—1296/Del/90.

Asarco Incorporated.—1316/Del/90.

Associated Engineers.—1288/Del/90.

Atochem.—1310/Del/90.

Ayikaue Assiagnon Atayi.—1258/Del/90.

Name & Application No.

—B—

BP Chemicals (Additives) Ltd.—1225/Del/90, 1230/Del/90 and 1289/Del/90.

BP Chemicals Ltd.—1250/Del/90, 1251/Del/90, 1252/Del/90, 1293/Del/90, 1294/Del/90.

Bohler Gesellschaft m.b.H.—1239/Del/90.

—C—

C.R. Bard Inc.—1248/Del/90.

Choudhury S.P. (Wg. Cdr.)—1303/Del/90.

Clayton A.—1301/Del/90.

Clayton D.—1301/Del/90.

Clayton P.—1301/Del/90.

Coflexip—1226/Del/90.

Conventry Polytechnic Higher Education Corporation.—1234/Del/90

Council of Scientific & Industrial Research.—1265/Del/90, 1266/Del/90, 1267/Del/90, 1268/Del/90, 1269/Del/90, 1270/Del/90, 1271/Del/90, 1272/Del/90, 1273/Del/90, 1274/Del/90, 1275/Del/90, 1276/Del/90, 1277/Del/90, 1278/Del/90, 1279/Del/90, 1280/Del/90, 1281/Del/90, 1282/Del/90, 1283/Del/90, 1284/Del/90, 1285/Del/90, 1318/Del/90, 1319/Del/90, 1320/Del/90, 1321/Del/90, 1322/Del/90, 1323/Del/90, 1324/Del/90, 1325/Del/90, 1326/Del/90, 1327/Del/90, 1328/Del/90, 1329/Del/90.

—D—

Dewankraft Systems Pvt. Ltd.—1307/Del/90.

Digital Equipment Corporation.—1259/Del/90.

Domino Printing Sciences PLC.—1338/Del/90.

Dutta Roy S.C.—1341/Del/90.

—E—

ERB Enterprises Inc.—1240/Del/90.

E.R. Squibb & Sons Inc.—1345/Del/90.

Erwin W.A.—1264/Del/90.

Ethyl Corporation.—1233/Del/90.

Exxon Chemical Patents Inc.—1255/Del/90, 1256/Del/90, 1257/Del/90, 1309/Del/90 and 1346/Del/90.

—F—

Forrest Scientific Research Ltd.—1298/Del/90.

—G—

GEC Alsthom SA.—1221/Del/90.

Grover P.D.—1223/Del/90.

Gupta A.—1343/Del/90.

Gupta JK (Prof.)—1342/Del/90.

Name & Application No.

—I—

Ide R.D.—1302/Del/90.

Imperial Chemical Industries PLC.—1235/Del/90.

International Business Machines Corporation—1237/Del/90.

—J—

Johal A.S.—1291/Del/90.

—K—

Kumar B.—1341/Del/90.

Kumar M.—1308/Del/90.

—L—

Laboratories Del Dr. Esteve S.A.—1238/Del/90.

Lee T.—1297/Del/90.

Lubrizol Corporation, The—1262/Del/90, 1287/Del/90, 1339/Del/90.

—M—

Mehta V. (Miss)—1342/Del/90.

Motorola Inc.—1245/Del/90, 1312/Del/90.

—N—

N.V. Bekaert S.A.—1261/Del/90.

Norsk Hydro a.s.—1241/Del/90.

—P—

PCN One Ltd.—1231/Del/90, 1232/Del/90.

Paul Wurth S.A.—1247/Del/90.

Permabase Inc.—1222/Del/90.

Procter & Gamble Co. The—1299/Del/90, and 1317/Del/90.

Puri R. 1228/Del/90.

Puri S. S.1228/Del/90.

Purolator India Ltd.—1292/Del/90.

—Q—

Q Sound Ltd.—1236/Del/90.

—R—

R. V. Engineers & Fabricators.—1330/Del/90, and 1331/Del/90.

—S—

Sabharwal S.—1341/Del/90.

Sanford Redmond Inc.—1246/Del/90.

Sangha I.S.—1332/Del/90.

Sharma D. K.—1242/Del/90.

Name & Application No.

S—Contd.

Sharma N. R.—1223/Del/90.

Shell Internationale Research Maatschappij B. V.—1253/Del/90, 1286/Del/90 and 1295/Del/90.

Sherritt Gordon Ltd.—1263/Del/90.

Siemens-Albis Aktiengesellschaft.—1344/Del/90.

Smithkline Beecham Corporation.—1290/Del/90.

Societe De conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.)—1244/Del/90.

Soletanche.—1288/Del/90.

Sommer.—1333/Del/90.

Sony Corporation.—1220/Del/90.

Standard Oil Co. The.—1260/Del/90.

Stein-Heurtey.—1243/Del/90.

Steel Authority of India Ltd.—1224/Del/90, 1340/Del/90.

Steer A.W.—1300/Del/90.

Sumico Management Planning Co. Ltd.—1337/Del/90.

—T—

Telemecanique.—1227/Del/90.

Takeda Chemical Industries Ltd.—1290/Del/90.

Texas Instruments Incorporated.—1249/Del/90.

Tolado Computer Co.—1229/Del/90.

—U—

UTDC INC.—1334/Del/90.

Union Carbide Industrial Gases Technology Corporation.—1335/Del/90.

—V—

Vedratna.—1343/Del/90.

—W—

Weyerhaeuser Co. 1254/Del/90.

Whirlpool Corporation.—1304/Del/90, 1305/Del/90, 1313/Del/90, 1314/Del/90 and 1315/Del/90.

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Class 3. No. 162418. Samarjit Chatterjee, an Indian trading as B. Chatterjee Enterprise of P—553 Panditia Road, Extn., Calcutta-700029, W.B., India. "Flush Type Fuse". August 10, 1990.

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